

StrongStep® Rotavirus/Adenovirus Antigen Combo Rapid Test

An immunochromatographic assay for qualitative presumptive detection of Rotavirus and/or Adenovirus in human fecal specimens



Background: Acute gastroenteritis is a common disorder in young children. The associated dehydration is a leading cause of admission to hospital in industrialized countries and a major source of mortality in developing countries. Enteric viruses have been recognized as the most significant etiologic agents of the disease and two categories of viruses are being considered as clinically relevant: group A Rotavirus (family Reoviridae) and Adenovirus 40/41 (subgenus F).

Group A Rotavirus (RV) is the major etiologic agent of viral gastroenteritis and is responsible for 29 to 45% of hospitalizations worldwide. Recent work has showed that Adenoviruses are the second most frequent etiologic agents of viral gastroenteritis in children.

Currently, Rotavirus and Adenovirus 40/41 have been recognized as the most significant etiological agents of childhood viral gastroenteritis in industrialized countries. The importance of these two viral agents as a cause of gastroenteritis outbreaks is well documented.

Virtues of StrongStep® Rotavirus/Adenovirus Antigen Combo Rapid Test

- ◆ **Rapid:** Results come out in 15 minutes
- ◆ **Time and cost- effective:** One test of two different antigens in the same specimen
- ◆ **Accurate:** 99.10% sensitivity, 99.90% specificity compared with Latex agglutination for Rotavirus rapid test;
99.90% sensitivity, 99.40% specificity compared with Latex agglutination for Adenovirus rapid test
- ◆ **Room temperature storage**

Cat.	Product
501010	Rotavirus
501020	Adenovirus
501030	Rotavirus/Adenovirus Combo

Detection	Specimen
Antigen	Feces
Antigen	Feces
Antigen	Feces